



Attorney Docket No. TAN-291
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit: 1653
)
TAKAGAKI) Examiner: Chih Min KAM
)
Serial No. 09/916,250)
)
Filed: July 30, 2001)

For: **METHOD FOR EXTRACTION AND PURIFICATION OF
 CARTILAGE TYPE PROTEOGLYCAN**

Appendix A

Please amend the following claims as indicated according to the revision to 37 C.F.R. § 1.121 concerning a manner for making claim amendments.

1. (Currently amended) A method for ~~extraction~~ preparation of crude proteoglycan ~~characterizing to use acid as eluting solvent of cartilage~~ comprising extracting cartilage with a solution of acetic acid of 4% or more to obtain crude proteoglycan.

2. (Currently amended) A method for ~~extraction~~ preparation of crude proteoglycan comprising + :

~~extracting crude proteoglycan using acetic acid as eluting solvent of cartilage~~ cartilage with a solution of acetic acid of 4% or more,

~~filtrating the solution containing crude proteoglycan~~
obtained by said extracting to remove dregs from said solution,

centrifuging the solution obtained by said filtrating,

adding ethanol saturated with sodium chloride to the supernatant liquid obtained by said centrifuging,

and then centrifuging said supernatant liquid ~~added with~~ said ethanol saturated with sodium chloride to concentrate said crude proteoglycan in the precipitate form precipitate containing crude proteoglycan.

3. (Currently amended) A method for ~~further improving the purity preparation~~ of crude proteoglycan comprising:

~~extracting crude proteoglycan using acetic acid as eluting solvent of cartilage,~~ cartilage with a solution of acetic acid of 4% or more,

~~filtrating the solution containing crude proteoglycan~~
obtained by said extracting to remove dregs from said solution,

centrifuging the solution obtained by said filtrating,

adding ethanol saturated with sodium chloride to the supernatant liquid obtained by said centrifuging,

centrifuging said supernatant liquid ~~added~~ with said ethanol saturated with sodium chloride to ~~concentrate said crude proteoglycan in the precipitate~~ form precipitate containing crude proteoglycan,

dissolving said precipitate containing crude proteoglycan ~~using acetic acid as eluting solvent of said crude proteoglycan~~ in a solution of acetic acid,

and then ~~dialysing~~ dialyzing the solution.